MINNESOTA

Science and Engineering Profile

	Minnesota	U.S.	Rank		Minnesota	U.S.	Rank
Doctoral scientists, 1993	7,705	430,332	18	Total R&D performance, 1993 (millions)	\$2,922	\$161,427	14
Doctoral engineers, 1993	1,163	81,293	21	Industry R&D, 1993 (millions)	\$2,458	\$117,622	11
S&E doctorates awarded, 1995	475	26,482	18	Academic R&D, 1994 (millions)	\$318	\$20,573	22
of which, in life sciences	30%	24%		of which, in life sciences	69%	55%	
in engineering	24%	23%		in engineering	10%	16%	
in psychology	16%	13%		in math & computer sciences	7%	4%	
S&E postdoctorates, 1994				Higher education current-fund			
in doctorate-granting institutions	705	36,143	15	expenditures, 1993 (millions)	\$3,099	\$163,994	18
S&E graduate students, 1994				Number of SBIR awards, 1990-94	269	18,023	18
in doctorate-granting institutions	5,969	438,694	26	Patents issued to state residents, 1995	1,657	55,717	11
Population, 1995 (000s)	4,610	262,755	20	Gross state product, 1992 (billions)	\$110.3	\$5,994.1	18
Civilian labor force, 1995 (000s)	2,589	132,281	20	of which, agriculture	3%	2%	
,				manufacturing, mining, construction	25%	23%	
Personal income per capita, 1995	\$23,118	\$22,788	20	transportation, communication, utilities	8%	9%	
				wholesale and retail trade	17%	16%	
Federal spending				finance, insurance, real estate	18%	18%	
Total expenditures, 1995 (millions)	\$18,825	\$1,326,294	26	services	18%	20%	
R&D obligations, 1994 (millions)	\$474	\$65,654	24	government	11%	12%	

Rankings and totals are based on data for the 50 States and D.C. $\label{eq:decomposition} % \begin{subarray}{ll} \end{subarray} % \begin{subarr$

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development in Minnesota by Agency and Performer: Fiscal Year 1994

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	474,372	40,620	0	183,537	171,224	73,128	5,863	24
Department of Agriculture	24,263	14,963	0	160	9,074	0	66	20
Department of Commerce	2,727	0	0	2,274	453	0	0	26
Department of Defense	184,886	4,093	0	166,869	11,616	2,308	0	23
Department of Energy	6,867	0	0	0	6,867	0	0	36
Dept. of Health & Human Services	187,722	0	0	3,862	109,315	69,986	4,559	16
Department of the Interior	17,664	15,973	0	1,219	472	0	0	12
Department of Transportation	5,284	0	0	3,017	1,154	0	1,113	23
Environmental Protection Agency	10,376	5,591	0	3,001	1,659	0	125	12
Nat'l Aeronautics & Space Admin.	4,152	0	0	2,009	2,079	64	0	36
National Science Foundation	30,431	0	0	1,126	28,535	770	0	21
State rank	24	36	na	21	22	10	9	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable